



A division of CSA Technical Solutions, LLC
1959 Hammondville Road, Pompano Beach, FL 33069
Phone 954-978-0056 Fax 888-617-2010
www.BuyHeatShrink.com

Heat Shrink Tubing Dual Wall Adhesive Lined 4:1 Ratio

Our 4:1 heat shrink tubing is also available with a "dual-wall" construction. When exposed to heat (usually a bit lower than the activation temperature of the heat shrink), the inner layer begins to flow (just like a hot melt glue). When the tubing shrinks and cools down, the inner layer forms an adhesion layer between the tubing and the component or wire. This provides a watertight seal, protecting the connector and/or wire.

Features:

- 4:1 Shrink Ratio with melt adhesive inner lining (shrinks to 1/4 its original diameter)
- Longitudinal Shrinkage: up to 15%
- Meets requirements of AMS-DTL-23053/4 (formerly MIL-I-23053/4), Class 3
- UL 224 VW-1 and CSA OFT recognized
- Maximum Continuous use temperature 135°C
- Shrink Temperature of 100°C and operating temperature of -55°C to + 135°C
- Crosses to: Sumitomo W3B2(4X), Raychem ATUM 4X, LG GSHS-4635WT
- Typical applications include: Insulation, Wire Identification, Wire Bundling, Mechanical Protection, Color Coding, Lightweight Harnessing, Physical/Electrical Protection of Components, Strain Relief, and Solder Insulation.

Specifications/Approvals:

- **Military:** AMS-DTL 23053/4 (Formerly Mil-I-23053/4)
- **Underwriters Lab:** UL 224 600V, 125°C, VW-1 (Jacket only)
- CSA
- **Crosses to:** Sumitomo W3B2 (4X), Raychem ATUM 4X

Dimensions

Part Number	Diameter	Min ID before shrinking	Max ID after shrinking	Minimum Wall Thickness (Total)	Minimum Wall Thickness (Adhesive)
HS4A-0188	3/16"	0.1575"	0.039"	0.0354"	0.0197"
HS4A-0313	5/16"	0.315"	0.079"	0.0354"	0.0197"
HS4A-050	1/2"	0.4724"	0.118"	0.0512"	0.0236"
HS4A-0625	5/8"	0.6299"	0.157"	0.063"	0.03"
HS4A-100	1"	0.9449"	0.2362"	0.0827"	0.0311"
HS4A-125	1-1/4"	1.2598"	0.315"	0.096"	0.0409"
HS4A-200	2"	2.0472"	0.5118"	0.0984"	0.0409"